BRUHAT BANGALORE MAHANAGARA PALIKE

YELAHANKA ZONE

Modified Cost **15.00 Lakhs**

Name of Work:-Modified estimate for the Construction of compound wall and concrete roads in 3rd B main in Someshwaranagara in ward no:04

Sl	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
1	KSRRB 300-1,Earth work excavation by manual means in ordinary soil invlving an average horizontal throw up to 2 meters and an average lift uo to 1.5m,excavated surface levelled and sides neatly dresssed, the disposed earth to be levelled neatly after breaking of clods complete as per specifications (Item no19.1,Page no 138, PWD SR 2014-15)	Cum							
	Desilting of drains		2	120.00	0.45	0.40	43.20		
			2	180.00	0.50	0.45	81.00		
			2	150.00	0.45	0.35	47.25		
			2	80.00	0.45	0.35	25.20		
	Footpath levelling		1	5.00	1.50	0.20	1.50		
			1	15.00	1.00	0.25	3.75		
							201.90		
			A)Up to125% of quantity				**62.50**	**75.60**	**4725.00**
			B)Above 125% of quantity				**139.40**	**73.78**	**10284.66**
	Basic Rate	70.00							
	Area Weightage @ 8%	5.60							
	Total	**75.60**							
	Tender premium(-2.41%)	**-1.82**							
		73.78							
2	KSRB 2-2.2 : Earth work excavation for foundation of buildings, water supply, sanitary lines and electrical conduits either in pits or in trenches 1.5m and above in width, in hard soil not exceeding 1.5m , in depth including dressing the bottom and sides of pits and trenches, stacking the excavated soil clear from edges of excavation with lead upto 50m, specification, specification. No. KBS 2.1(b) / 2.3.5, No. 5/ Item No. 2.4/ PWD SR 2014-15	Cum							
	RCC Culverts		1	7.00	2.40	1.00	16.80		
			1	5.00	1.30	0.70	4.55		
	Masanry culvert		1	4.00	1.80	0.80	5.76		
			1	7.50	1.80	0.80	10.80		
	Damaged portion SSM drain		1	8.00	1.80	0.80	11.52		
			1	5.50	1.80	0.80	7.92		
	Fencieng foundation		1	80.00	0.80	0.80	51.20		
							108.55	**258.22**	**28030.12**
	Basic Rate	245.00							
	Area Weightage @ 8%	19.60							
	Total	**264.60**							
	Tender premium(-2.41%)	**-6.38**							
		258.22							

3	KSRB 4-1.3:Providing and laying in position plain cement concrete of mix 1:4:8 with OPC cement @180kgs, with 40mm and down size graded granite metal coarse aggregates @0.85cum and fine aggregates @0.57cum machine mixed,machine mixed,concrete laid in layers not exeeding 15cms.thick, well compacted in foundation,including cost of all materials,labour,HOM of machinery,curing complete as per specifications.Specification no KBS4.1,4.2(Item no4.3,Page no12,PWD SR 2014-15)	Cum								
	RCC Culverts		1	7.00	2.40	0.15	2.52		
			1	5.00	1.30	0.15	0.98		
	Masanry culvert		1	4.00	1.80	0.15	1.08		
			1	7.50	1.80	0.15	2.03		
	Damaged portion SSM drain		1	8.00	1.80	0.15	2.16		
			1	5.50	1.80	0.15	1.49		
	Approaches concrete		1	4.00	2.40	0.15	1.44		
	Footpath levelling		1	5.00	1.50	0.15	1.13		
			1	15.00	1.00	0.15	2.25		
	Fencieng foundation		1	80.00	0.80	0.15	9.60		
							24.66	**4747.04**	**117062.01**
4	KSRB 5.2-3 : Providing and constructing granite / trap / basalt size stone masonry in foundation with cement mortar 1:6, stone hammered dressed in courses not less than 20 cms high, bond stones at two m. apart in each course including cost of materials, labour, curing complete as per specifications. KBS 5.1.13 (P.22/I.5.6 PW, P & IWTD -SR 2014-15)	Cum							
	Fencieng foundation		1	80.00	0.75	0.45	27.00		
			1	80.00	0.60	0.60	28.80		
	Masanry culvert		2	4.00	0.45	0.45	1.62		
			2	7.50	0.60	0.45	4.05		
	Damaged portion SSM drain		2	8.00	0.45	0.45	3.24		
			2	5.50	0.45	0.45	2.23		
							66.94		
	(-)Vertical poles		27	0.45	0.45	0.45	2.46		
			27	0.45	0.45	0.60	3.28		
							5.74		
	Basic Rate	3552.00							
	Area Weightage @ 8%	284.16					**61.20**	**3743.71**	**229102.33**
	Total	**3836.16**							
	Tender premium(-2.41%)	**-92.45**							
		3743.71							

5	KSRB 5.3-3 Providing and constructing granite / trap / basalt size stone masonry in basement with cement mortar 1:6, edges of stones chistle dressed in courses not less than 15 cms high, bond stones at two m. apart in each course including cost of materials, labour, curing complete as per specifications.KBS 5-1.13 Page No. 26/ Item No. 5.9/ PWD SR 2014-15	Cum							
	Fencieng basement		1	80.00	0.45	0.35	12.60		
	Masanry culvert		2	4.00	0.45	0.35	1.26		
			2	7.50	0.60	0.35	3.15		
	Damaged portion SSM drain		2	8.00	0.45	0.35	2.52		
			2	5.50	0.45	0.35	1.73		
							21.26		
	(-)Vertical poles		27	0.45	0.45	0.35	1.91		
							19.35	4502.48	**87117.92**
6	KSRB 15.1.3 Providing ruled pointing to coursed stone masonry with cement mortar 1:3, 20mm deep, after raking joints to depth of 20mm nicely lining, including cost of materials, labour, curing complete as per specifications. (P.97/1.15.3 PW, P & IWTD SR 2014-15)	Sqm							
	Fencieng basement		2	80.00		0.45	72.00		
	Masanry culvert		2	4.00		0.70	5.60		
			2	7.50		0.70	10.50		
	Damaged portion SSM drain		2	8.00		0.70	11.20		
			2	5.50		0.70	7.70		
							107.00	92.88	**9938.16**
	Basic Rate	86.00							
	Area Weightage @ 8%	6.88							
	Total	**92.88**							
	Tender premium(-2.41%)	**-2.24**							
		90.64							
7	KSRRB 4.1.6Providing and laying in position plain **cement concrete mix 1:2:4** with cement @240kgs, with 20mm and down size graded granite metal coarse aggregates @0.69 cum and fine aggregates @0.459cum, machine mixed, concrete laid in layers not exceeding 15cms thick well compacted,in foundation,plinth and cills,including cost of all materials, labour, HOM of machineries, curing complete as per specifications. Specification no 4.1,4.2 **(Page.12 & Item No. 4.6)**	Cum							
	Fencieng coping		1	80.00	0.45	0.10	3.60		
	Fencieng poles		27	0.45	0.45	0.90	4.92		
	Masanry culvert coping		2	4.00	0.45	0.10	0.36		
			2	7.50	0.60	0.10	0.90		
	Damaged portion SSM drain		2	8.00	0.45	0.10	0.72		
			2	5.50	0.45	0.10	0.50		
	Vent portion		1	4.00	0.70	0.10	0.28		

			1	7.50	0.70	0.10	0.53		
	Damaged portion SSM drain		2	8.00	0.70	0.10	1.12		
			2	5.50	0.70	0.10	0.77		
	Approaches concrete		1	4.00	2.40	0.15	1.44		
	Approaches concrete		2	5.00	0.60	0.15	0.90		
			2	7.50	0.60	0.15	1.35		
	Footpath levelling		1	5.00	1.50	0.15	1.13		
			1	15.00	1.00	0.15	2.25		
							20.76	**5327.64**	**110579.16**
8	KSRB 4.2.2 : Providing and laying in position Reinforced cement concrete of design mix M20 with OPC cement @ 320kgs, with 20mm and down size graded granite metal coarse aggregates @0.69cum and fine aggregates @0.460cum with super plasterise @ 3lts conforming etc as per specification&direction of the engineer incharge of work(pwd sr2014-15,p.no13,sno4.11)	Cum							
	Bottom slab		1	7.00	2.10	0.30	4.41		
			1	5.00	1.20	0.20	1.20		
	Side wall		2	7.00	0.25	0.80	2.80		
			2	5.00	0.20	0.70	1.40		
	Deck slab		1	7.00	2.00	0.25	3.50		
			1	5.00	1.00	0.20	1.00		
			1	4.00	1.50	0.23	1.38		
	Damaged portion SSM drain		1	7.50	1.80	0.23	3.11		
			1	8.00	1.50	0.15	1.80		
			1	5.50	1.50	0.15	1.24		
							21.83	**5865.28**	**128053.73**
9	KSRB 4.9.2: Providing T.M.T steel reinforcement for R.C.C work including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per specifications.Specification noKBS 4.6.3,TMT bars Fe550(pwd sr2014-15,p.no17,s.no4.46)	Qtl							
	For culvert 100 kg / cum								
							21.83		
							21.83	**7755.60**	**169324.14**
10	KSRB 4-6.4 : Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for vertical surface such as walls at any thickness, attached pilasters,bittresses,buttresses plinth and string course including cost of all materials,labour complete asperspecification. Specification no.KBS 4.6.2(pwd sr2014-15,p.no15/4.31)	Sqm							
	Culverts Side wall		4	7.00		0.80	22.40		
			4	5.00		0.70	14.00		

	Deck slabs		1	7.00	1.20		8.40		
			1	5.00	0.60		3.00		
			1	4.00	0.70		2.80		
			1	7.50	0.70		5.25		
	Damaged portion SSM drain		1	8.00	0.70		5.60		
			1	5.50	0.70		3.85		
							65.30	292.68	19112.00
11	Supplying and fixing **M.S. Rectangular Poles** made but of 2 equal angles of 65 x 65 x 6 mm welded together and fixed inCC (1:2:4) with 2 Nos. 16 mm dia M. S. hold fast rods each of length 25 cms, including cost of all materials, cutting, bending scafolding (p.no252/37.2,pwd sr2014-15)	**Rmtr**							
			27			2.70	72.90		
	Basic Rate	1032.00					**72.90**	**1087.70**	**79293.26**
	Area Weightage @ 8%	82.56							
	Total	**1114.56**							
	Tender premium(-2.41%)	**-26.86**							
		1087.70							
12	**Providing chain link fencing 50mm** size of 8 guage properly stretched between rectangular poles and fixed with suitable bolts & nuts, the free ends shall be welded to the pole and block pipe at top and bottom as required including cost of all materials, la(p.no252/37.3,pwd sr2014-15)	**Sqm**							
	Maintainance of fencieng		1	80.00		1.50	120.00		
			5	6.50		1.50	48.75		
			7	5.00		1.50	52.50		
			3	5.80		1.50	26.10		
	Basic Rate	632.00					**247.35**	**666.11**	**164762.38**
	Area Weightage @ 8%	50.56							
	Total	**682.56**							
	Tender premium(-2.41%)	**-16.45**							
		666.11							
13	**Providing and fixing M.S. Block pipe of 38mm dia**, of heavy guage of 14 including removing the bends, cutting the pipe, and fixing pipe in between the two verticle poles (M.S. rectangular poles) and spot welding the chain link with M.S. block pipe includin(p.no252/37.4,pwd sr2014-15)	**Rmtr**							
	Maintainance of fencieng		2	80.00			160.00		
			10	9.00			90.00		
			14	8.50			119.00		
			6	7.40			44.40		
	Basic Rate	299.00					**413.40**	**315.14**	**130277.90**
	Area Weightage @ 8%	23.92							
	Total	**322.92**							
	Tender premium(-2.41%)	**-7.78**							
		315.14							

14	Providing and fixing Precast RCC Slabs as Per approved design, specification and Direction Engineer-in-Charge. (Approved Data Rate).	Sqm							
			1	130.00	0.80		104.00		
	Missing slabs		10	0.90	0.60		5.40		
							109.40	**1145.00**	**125263.00**
15	KSRB 7.9 : Providing and fixing M.S.grill work for windows and ventilators weighing 21kg/sqm using M.S. flats, or M.S. square rods, or combination of M.S. flats and square rods as per approved design, drawing including cutting steel sections and weldin	Kgs							
	Front gate		1	7.00		1.50	10.50		
	Back gate		1	3.00		1.50	4.50		
							15.00		
	Basic Rate	87.00					**315.00**	**91.70**	**28884.10**
	Area Weightage @ 8%	6.96							
	Total	**93.96**							
	Tender premium(-2.41%)	**-2.26**							
		91.70							
16	KSRRB M100-1 Loading and un loading of stone boulder/Stone aggregates/sand/kanker/Moorum.KSRRB M100-1:Placing tipper at loading point,loading with front end loader,dumping,turning for return trip,excluding time for haulage and return trip complete as per specifications(Item no17.1,Page no 130, PWD SR 2014-15)	Cum							
			Vide Item No. 1+2				**310.45**		
			A)Up to125% of quantity				**62.50**	**68.04**	**4252.50**
			B)Above 125% of quantity				**247.95**	**66.40**	**16463.94**
	Basic Rate	63.00							
	Area Weightage @ 8%	5.04							
	Total	**68.04**							
	Tender premium(-2.41%)	**-1.64**							
		66.40							
17	Miscellaneous charges	L/S							
									473.69
								Total RS	**1463000.00**

(Rupees fourteen lakh sixty three thousand only)

Certificate

1 The work spot has been inspected and the work is found necessary.
2 This estimate is prepared as per C.S.R. of 2014-15
3 The provisions were made in this estimate are necessary and adequate.
4 This works come under ~~B.B.M.P.~~ limits.

Assistant Engineer
Ward no: 04

Assistant Executive Engineer
Yelahanka New town Sub Division
Bangalore-64

Executive Engineer
Yelahanka Division
Bangalore-64

"Modified Estimate Sanctioned"

15.10.15